# Reply to International Search Report (Translation)

The CN2221820Y (referenced document one) and CN2381761Y (referenced document two) was referenced by the International Preliminary Examination Authority against claims 1, 4,5 and 6.

The International Preliminary Examination Authority held that despite of the fact that the referenced document one did not disclose the supporting attachment (3) installed at the connecting location of the ladder belt (6) and ladder rung (4), however, said claims 1, 4 and 5 are obvious to any technical people in the relevant field in comparison with the referenced document one, which means non-conformity with the involvement on inventive step (to be non-obvious) stipulated in the Article 33 (3) of PCT. Based on the referenced document one with referenced document two combined, a conclusion is reached that the technical design in said claim 6 for protection is obvious to technical people, so, said claim 6 is not in conformity with the inventive step (to be non-obvious) stipulated in the Article 33 (3) of PCT.

The applicant, however, did not agree with the above preliminary examination opinions and overcome the examiner's rejections with the following arguments:

The referenced document one refers to a folding emergency ladder, which comprises two hooks (1), two cords (6) fixed to ends of the two hooks (1) and rungs (4) fixed to the two cords. Although there is also a strip-shaped supporting plate (3), such supporting plate (3) is fixed to ends of said hooks (1), functioning to form a hooking-and-hanging device together with the connecting plate (2) and the two hooks (1) at top of said emergency ladder, while in this patent application there are multiple supporting attachments (6) that are installed at the connections of the ladder belts (4) and ladder rungs (5), functioning to keep the ladder rungs at a certain distance from the wall surface to facilitate ladder users to climb. Conclusion: shapes, structures, locations, their functions and performances of the two ladders are totally different. This patent application is essentially different from the referenced document one, and said claim 1 together with claims 4, 5 do confirm to the Article 33 (3) for involvement on inventive step (non-obvious) of PCT.

The referenced document two refers to another emergency ladder for multi-storied buildings, which has rungs (3) wrapped with fire-retardant asbestos cloth that only functions to prevent fire, while the rungs (5) in this patent application have outer layers of fire-retardant braided belts that can not only prevent fire but also greatly increase strength of the rungs (5) and facilitate their fixing onto the left and right ladder belts (4). Conclusion: functions and performances of the two ladders are substantially different, and said claim 6 also conforms to the Article 33 (3) for involvement on inventive step (non-obvious) of PCT.

The International Preliminary Examination Authority is hereby kindly asked to take the above opinions of the applicant into consideration and make re-evaluations on said claims 1, 4, 5 and 6 for their novelty, involvement on inventive step and industrial applicability.

After receipt of opinions and statements of the applicant, the International Preliminary Examination Authority made re-examination on novelty, involvement on inventive step and industrial applicability of PCT/CN03/00878 and the examiner withdrew his rejection, issued a preliminary examination report making affirmation that all said claims 1 to 6 meet the requested novelty, involvement on inventive step and industrial applicability of the Article 33 (2), (3), (4) of PCT.

referenced document one

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[19]中华人民共和国专科局

115 MC## CN 2221626Y



# [12] 实用新型专利说明书

[21] ZL, 中科号 95209669.2

1996年3月6日 **日本保証金融** 

[51 Hat.Cl EMF 11/.06

pap申请用 95.5.9 palliem 95.(2.9 (73)专利征人 崇寧市里水学垃圾员厂 地址 528244广京省南海市里水体黑坡路 77世間分人 林智慧

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B06C 1/56

**御利藤孝裕 1 頁 説明书 2 页 附配页数 2 页** 

# 164次为新数4等 折叠式微生器

本实用氨型是一种折叠式做钻梯,混合高量效效 上的人员在发生火灾或出现繁命事故下依照。本实用 "短型包括药物、油油板、酚银和绳子,它的品物有二 个,吊钩由金属管弯曲面成。后钩的头部为弯钩。后 **始的基据是直接状,每个吊钩的模据均需是一条单状** 主体权。连续证的二个阻孔分别查往二个品物的领 48、连锁征放在条依文章板的上面,吊钩的领部有一 **小囊圆品的与纯子的到定针。本实用便当结构简单、** 体积小、使用安全可靠,最实底、实体理想的应急象 生物。



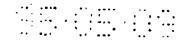
(BJ)第 1452 号

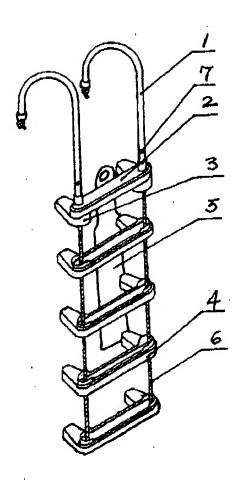
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1、一种折叠式数生梯,它包括吊钩、连接板、路板和绳子, 其特征在于,此吊钩(1)有二个,吊钩(1)由金属管弯曲而成,吊钩 (1) 的头部为弯钩, 吊钩(1) 的根部呈直线状, 每个吊钩(1) 的根部 有一条条状支撑板(3),条状支撑板(3)的一端与吊钩(1)的根部季 宣、并与吊钩(1)根部紧固,条状支撑板(3)的另一端与吊钩(1)的 弯钩间向,并与吊钩(1)在同一平面上,连接板(2)有二个通孔,连 接板(2)的二个通孔分别套住二个吊钩(1)的根部,连接板(2)放在 条状支撑板(3)的上面,吊钩(1)的根部有一个紧固吊钩(1)与绳子 (6)的固定钉(7), 踏板(4)是凸形的壳体, 踏板(4)的麻嵴有凹槽。

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reference document two

1 (1920x2760x2 tiff)

[19]中华人民共和盟副家知识产权局

[51] let. Cl7

E06C 1/303

# [12] 实用新型专利说明书

[21] ZL \*\* 98208371.8

[45] 報報金書日 2000年6月7日

[11]据教会告号 CN 2381761Y

[22]申韓日 1998.9.14 [24]銀笹日 2000.3.24 [79] 受明祖人 张斯族

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权利要求书1页 说明书1页 尚數页數 3页

[4]实现的现在学 被身故主等于

[97]論觀

一种普及教生被等于,是由第头技术(1)(2)与领息 绳(5)均排操(5 )连装整置等组成。平时调整接给(1)与 (2)的尺寸,折量船来便于保存。 使用时可养养头统在 曾台灣開台上再起其余部分推下去。徽形成一部軟件子。 本实用製鐵館物简单,使于被房景訊使用,是被房火灾 华英它意外事故故生 的理想工具。

专利文献出版社出版

#### 权 利要求

一种折叠铁梯子,梯头是由拉伯(1)(2)组成其特征在于挂伐(1) 同组织 (2) 可折叠合并,胜货(1) 可参助调整尺寸,缝名(2) 内有孔。 铜丝绳(5)有选维皮脑梁(3)有阻燃石棉布和玻璃钢柴构成、潴橥(3) 內有暗铜板(6)卡子(4)包有绝缘皮构成一条软等于。



## 说 明 书

#### 德島教生等于

本实用新型是一种高楼器民献生的折叠排子,人们通常用的排子 是莹高。而这种样子是在楼房发生火灾时,从窗户或阳台松下后可默 脸的折叠排子。这种排子郑菡微,又不寻电,平时故量不占太大空间。

本实用新型的解决方案是这样实现的。

本实用新型是由伸縮,又可折叠的排头(1)(2)为挂头。由两根 侧盆绳和外边绝缘皮(5)。侧盆绳构或两模被鸡倒染徐过的端果(5) 的连筋,输染内有暗铁板(8)。输染由侧卡子(4)蟹圆所组成的一个 整体。就形成一个梯子。

本实用新型的实施例如附领所示:

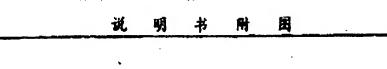
附閏1是本实用新型上部是开新模示意图。

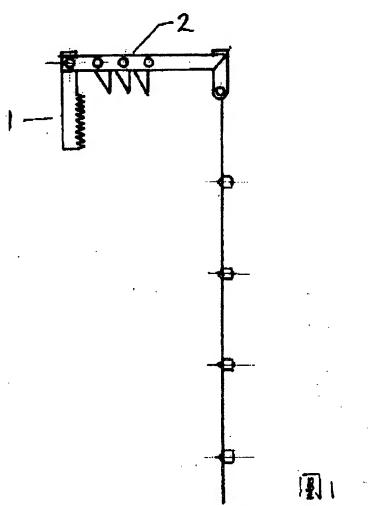
附回 2 是排头和猪鬃与钢丝绳结构示意图。

影图 3 是钢丝绳与赌集票图卡子的结构示意图。

在本实施例中卡子 (4) 耐燃烧 (5) 是金属材料者上绝缘皮,畸聚 (8) 耐头与钢丝绳连接处用金属片包住并固定。梯子折叠时存在份 (1) (2) 合并一點,精聚 (8) 和钢丝辊 (5) 新曼收點。

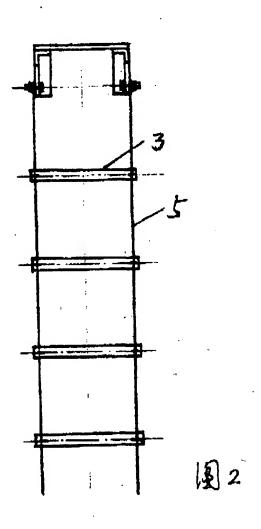


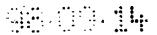






### A





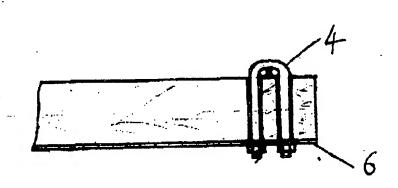


图3